

**Appendix Table 5-11****Current fund expenditures for research equipment at academic institutions, by S&E field: FYs 2000–14**

Field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Current \$millions															
All fields	1,438	1,514	1,703	1,820	1,895	1,880	1,826	1,824	1,874	1,947	2,115	2,199	1,982	2,210	1,990
Science	1,132	1,181	1,340	1,435	1,501	1,441	1,383	1,395	1,439	1,472	1,605	1,628	1,430	1,547	1,336
Computer sciences	56	65	101	99	105	72	70	75	80	90	65	91	73	273	70
Environmental sciences	100	88	132	121	126	123	123	136	144	126	152	115	121	116	116
Atmospheric sciences	12	12	15	18	20	26	34	31	27	17	24	21	20	18	22
Earth sciences	37	29	33	42	43	44	35	36	39	47	52	47	53	47	52
Oceanography	34	34	74	50	41	40	44	62	70	52	58	32	29	39	32
Environmental sciences nec	17	11	11	11	22	13	10	7	9	11	17	15	19	12	10
Life sciences	630	689	737	819	836	826	752	737	796	786	907	928	817	747	735
Agricultural sciences	77	83	72	78	79	72	75	79	103	81	79	74	86	79	84
Biological sciences	269	284	297	337	348	326	302	272	303	299	396	393	334	313	310
Medical sciences	263	303	339	371	376	378	337	340	355	367	390	413	358	317	297
Life sciences nec	21	20	29	33	34	50	37	46	35	40	42	47	39	39	45
Mathematical sciences	10	12	10	8	8	9	9	9	9	9	8	7	7	7	6
Physical sciences	251	242	276	298	339	325	329	310	302	333	364	380	331	329	344
Astronomy	25	15	19	19	25	23	20	29	27	29	24	26	28	20	26
Chemistry	104	101	123	120	118	113	122	113	114	136	162	156	133	118	119
Physics	110	113	122	139	160	159	153	143	136	149	154	180	156	166	185
Physical sciences nec	13	13	12	20	36	30	34	25	25	20	24	18	14	25	14
Psychology	14	14	19	23	18	15	18	14	15	24	17	17	21	14	16
Social sciences	20	17	18	19	16	19	14	20	22	26	15	16	11	12	11



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Field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Economics	3	2	2	3	2	2	2	2	2	1	1	2	1	3	2
Political science	2	2	2	2	2	2	1	1	1	2	1	1	1	1	0
Sociology	3	3	4	3	2	3	2	3	2	5	2	2	1	2	2
Social sciences nec	12	10	9	10	9	12	8	15	16	18	10	11	7	7	7
Sciences nec	51	55	47	49	54	53	67	95	71	76	79	74	50	49	39
Engineering	306	333	363	385	394	439	443	428	435	475	511	572	552	663	654
Aeronautical/astronautical	20	23	24	22	21	20	22	22	34	27	35	34	33	35	29
Bioengineering/biomedical	14	15	18	20	19	29	25	27	28	32	40	53	45	47	37
Chemical	26	31	30	32	55	37	39	37	39	48	53	56	54	59	47
Civil	29	32	43	31	34	29	27	29	32	35	38	51	42	61	33
Electrical	72	79	79	86	81	91	94	92	88	98	114	139	136	161	113
Mechanical	54	48	54	55	55	76	84	75	76	77	99	85	84	110	75
Metallurgical/materials	30	49	41	61	38	51	54	54	52	58	51	52	60	63	242
Engineering nec	61	55	74	78	91	106	98	92	85	101	81	101	98	128	78

2009 constant \$millions

All fields	1,756	1,807	2,003	2,099	2,126	2,044	1,926	1,874	1,889	1,947	2,090	2,129	1,885	2,071	1,838
Science	1,382	1,410	1,576	1,655	1,684	1,566	1,458	1,434	1,450	1,472	1,585	1,576	1,360	1,449	1,234
Computer sciences	69	77	118	114	118	78	74	77	81	90	64	88	69	256	65
Environmental sciences	122	105	155	140	141	134	130	139	146	126	150	111	115	109	107
Atmospheric sciences	15	15	17	20	22	28	36	32	27	17	24	20	19	17	21
Earth sciences	45	35	38	48	48	48	37	37	39	47	52	45	51	44	48
Oceanography	41	41	87	58	46	43	47	64	70	52	57	31	27	36	29
Environmental sciences nec	20	14	13	13	24	14	10	7	9	11	17	15	18	12	9
Life sciences	770	823	867	944	939	897	793	757	802	786	896	898	777	700	679
Agricultural sciences	94	99	85	90	88	78	80	81	103	81	78	72	81	74	78



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Field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Biological sciences	329	339	349	389	390	355	318	280	306	299	391	381	318	293	286
Medical sciences	321	361	399	427	422	411	356	349	358	367	385	400	340	297	274
Life sciences nec	26	24	35	38	38	54	39	47	35	40	42	46	37	36	42
Mathematical sciences	12	14	12	9	9	10	9	9	9	9	8	7	6	6	6
Physical sciences	307	288	324	344	380	353	348	319	304	333	359	368	315	308	317
Astronomy	30	18	23	22	28	25	21	30	27	29	24	25	27	18	24
Chemistry	127	121	144	138	132	123	128	116	115	136	160	151	127	110	110
Physics	134	135	143	160	179	173	162	147	137	149	152	175	148	156	170
Physical sciences nec	15	15	15	23	41	33	36	26	25	20	24	18	13	24	13
Psychology	17	17	22	26	20	16	19	15	15	24	16	16	20	13	14
Social sciences	24	20	21	21	17	20	14	20	22	26	14	15	10	12	10
Economics	4	3	3	3	2	2	2	2	2	1	1	2	1	3	2
Political science	2	2	2	3	2	2	1	1	1	2	1	1	1	1	0
Sociology	4	3	4	4	3	3	2	3	2	5	2	2	1	2	2
Social sciences nec	14	12	11	12	11	13	9	15	16	18	10	10	7	6	6
Sciences nec	62	65	56	57	60	58	71	97	71	76	78	71	47	46	36
Engineering	374	397	427	444	442	477	468	440	439	475	505	553	525	621	604
Aeronautical/astronautical	24	28	28	26	24	22	23	23	35	27	35	33	32	33	27
Bioengineering/biomedical	17	18	21	23	21	32	26	28	29	32	39	51	43	44	34
Chemical	32	37	35	37	61	40	41	38	39	48	52	55	51	55	44
Civil	35	39	50	35	38	32	29	29	32	35	37	49	40	58	30
Electrical	88	94	93	99	91	99	99	95	89	98	113	135	130	150	105
Mechanical	66	58	63	64	62	83	88	77	76	77	98	82	79	103	69
Metallurgical/materials	37	59	48	70	43	55	57	56	52	58	51	51	57	59	224
Engineering nec	75	66	88	89	102	115	104	94	86	101	80	98	93	120	72

Field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Percent distribution															
All fields	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	78.7	78.0	78.7	78.9	79.2	76.6	75.7	76.5	76.8	75.6	75.8	74.0	72.1	70.0	67.1
Computer sciences	3.9	4.3	5.9	5.4	5.5	3.8	3.9	4.1	4.3	4.6	3.1	4.1	3.7	12.4	3.5
Environmental sciences	6.9	5.8	7.7	6.7	6.6	6.5	6.8	7.4	7.7	6.5	7.2	5.2	6.1	5.3	5.8
Atmospheric sciences	0.8	0.8	0.9	1.0	1.1	1.4	1.9	1.7	1.4	0.9	1.1	0.9	1.0	0.8	1.1
Earth sciences	2.6	1.9	1.9	2.3	2.3	2.4	1.9	2.0	2.1	2.4	2.5	2.1	2.7	2.1	2.6
Oceanography	2.3	2.3	4.3	2.8	2.2	2.1	2.4	3.4	3.7	2.7	2.7	1.5	1.5	1.8	1.6
Environmental sciences nec	1.2	0.7	0.6	0.6	1.1	0.7	0.5	0.4	0.5	0.6	0.8	0.7	1.0	0.6	0.5
Life sciences	43.8	45.6	43.3	45.0	44.1	43.9	41.2	40.4	42.5	40.4	42.9	42.2	41.2	33.8	36.9
Agricultural sciences	5.4	5.5	4.2	4.3	4.2	3.8	4.1	4.3	5.5	4.2	3.8	3.4	4.3	3.6	4.2
Biological sciences	18.7	18.8	17.4	18.5	18.4	17.4	16.5	14.9	16.2	15.4	18.7	17.9	16.9	14.1	15.6
Medical sciences	18.3	20.0	19.9	20.4	19.8	20.1	18.5	18.6	19.0	18.8	18.4	18.8	18.1	14.3	14.9
Life sciences nec	1.5	1.3	1.7	1.8	1.8	2.6	2.0	2.5	1.8	2.0	2.0	2.1	2.0	1.7	2.3
Mathematical sciences	0.7	0.8	0.6	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.3
Physical sciences	17.5	16.0	16.2	16.4	17.9	17.3	18.0	17.0	16.1	17.1	17.2	17.3	16.7	14.9	17.3
Astronomy	1.7	1.0	1.1	1.0	1.3	1.2	1.1	1.6	1.4	1.5	1.1	1.2	1.4	0.9	1.3
Chemistry	7.2	6.7	7.2	6.6	6.2	6.0	6.7	6.2	6.1	7.0	7.7	7.1	6.7	5.3	6.0
Physics	7.6	7.4	7.1	7.6	8.4	8.5	8.4	7.8	7.3	7.6	7.3	8.2	7.9	7.5	9.3
Physical sciences nec	0.9	0.8	0.7	1.1	1.9	1.6	1.9	1.4	1.3	1.0	1.1	0.8	0.7	1.1	0.7
Psychology	1.0	1.0	1.1	1.2	0.9	0.8	1.0	0.8	0.8	1.3	0.8	0.8	1.0	0.6	0.8
Social sciences	1.4	1.1	1.0	1.0	0.8	1.0	0.7	1.1	1.2	1.3	0.7	0.7	0.5	0.6	0.6
Economics	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
Political science	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0
Sociology	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1



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Field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Social sciences nec	0.8	0.7	0.6	0.6	0.5	0.6	0.5	0.8	0.9	0.9	0.5	0.5	0.4	0.3	0.3
Sciences nec	3.5	3.6	2.8	2.7	2.8	2.8	3.7	5.2	3.8	3.9	3.7	3.3	2.5	2.2	2.0
Engineering	21.3	22.0	21.3	21.1	20.8	23.4	24.3	23.5	23.2	24.4	24.2	26.0	27.9	30.0	32.9
Aeronautical/astronautical	1.4	1.5	1.4	1.2	1.1	1.1	1.2	1.2	1.8	1.4	1.7	1.6	1.7	1.6	1.5
Bioengineering/biomedical	0.9	1.0	1.0	1.1	1.0	1.6	1.4	1.5	1.5	1.6	1.9	2.4	2.3	2.1	1.9
Chemical	1.8	2.0	1.8	1.8	2.9	2.0	2.1	2.0	2.1	2.5	2.5	2.6	2.7	2.6	2.4
Civil	2.0	2.1	2.5	1.7	1.8	1.5	1.5	1.6	1.7	1.8	1.8	2.3	2.1	2.8	1.6
Electrical	5.0	5.2	4.7	4.7	4.3	4.8	5.2	5.1	4.7	5.0	5.4	6.3	6.9	7.3	5.7
Mechanical	3.8	3.2	3.2	3.0	2.9	4.1	4.6	4.1	4.0	4.0	4.7	3.9	4.2	5.0	3.8
Metallurgical/materials	2	3.3	2.4	3.4	2.0	2.7	3.0	3.0	2.8	3.0	2.4	2.4	3.0	2.9	12.2
Engineering nec	4.3	3.6	4.4	4.3	4.8	5.6	5.4	5.0	4.6	5.2	3.8	4.6	4.9	5.8	3.9

nec = not elsewhere classified.

NOTES: Gross domestic product deflators come from the U.S. Bureau of Economic Analysis and are available at <http://www.bea.gov/national>, accessed 18 February 2015. See appendix table 4-1. Detail may not add to total because of rounding.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Research and Development Expenditures at Universities and Colleges, and Higher Education Research and Development Survey.

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